

ABSTRACT OF THE DISCLOSURE

5 A hand operated controller or converter structured for
allowing hand inputs to be converted or translated into
electrical outputs, the controller structured with a plate
or platform moveable relative to a base or housing about two
mutually perpendicular axes generally parallel to the
platform to effect a plurality of sensors for defining
output signal(s) based on movement of the platform. The
sensors each have an electrically active activator spatially
10 separated from an electric contact surface. A tactile
feedback motor with shaft and offset weight is mounted as a
component of the controller for providing vibration to be
felt by a hand operating the controller. In some
embodiments the sensors are pressure sensitive variable
15 output sensors.

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